



## DEPARTMENT OF GENERAL SERVICES

Isiah Leggett  
*County Executive*

David E. Dise  
*Director*

November 5, 2013

To: Isiah Leggett, County Executive  
Nancy Navarro, Council President

From: David Dise, Director <sup>2</sup> 

Subject: Progress Update – Remediation of Defects at Silver Spring Transit Center

Provided below is a progress update of the Cooperative Remediation Working Group (CRWG) for remediation of defects at the Silver Spring Transit Center (SSTC). Progress of the remediation effort is presented by key area.

### Pour Strip Repair

- Remediation work on the pour strips is complete, pending tests of the installed concrete.

### Waterproofing

- A leak detection procedure has been developed and tests will take place in mid-November.

### Beam and Girder Repairs

- In its March 2013 analysis of the structure KCE stated concern about shear and torsion forces on interior beams and girders. A meeting will take place in November at which PB's engineers will review their calculations with County staff, KCE and its team of experts.
- If stabilization is required, KCE will perform the design.
  - Remediation of the interior beams will be similar to the additional support beams placed under the pour strips, which was successfully completed in October. Since the means and methods of construction for that work are known, repairs should be executed efficiently, once permitted. If determined necessary, this work can be performed through the winter.

### Surface Overlay on Decks

- Permits for the preparation and placement of the Latex Modified Concrete (LMC) overlay were received last week.
- Mapping for repair of cracks is complete and crack repair will take place through November. CRWG experts agree this is the better time of year to perform crack repair as cracks will be at the widest and work will take place prior to the onset of the coldest winter temperatures, when sealing cannot be performed.

- Deck surface temperatures have been monitored for the past few weeks in areas where the LMC overlay is to be placed. Temperatures have been near or below the 40°F and rising threshold required for placement. As stated in prior updates and again at the October briefing of the County Council, beating the “weather window” has been a concern throughout the remediation schedule. It now appears that this window is closed.
- Contractors experienced with LMC application strongly advise that we proceed with this work when prevailing air and surface temperatures are consistently above 40°F, which will likely be in late March or early April. All work necessary to prepare the structure for the overlay will be completed in advance of that time. Once begun, the contractors estimate 6 weeks to complete the overlay.

#### Schedule

- With the exception of the overlay application all other remediation work will be completed through the winter months.
- After application of the LMC overlay, all other project work is scheduled to be complete.
- As provided for in the MOU between the County and WMATA, following Substantial Completion of the project and certification by the Engineer of Record, WMATA will conduct its inspection and certification review. County and WMATA staff are in negotiations leading to final acceptance.

cc: Roger Berliner, Chair, T&E Committee  
Valerie Ervin, District 5 Councilmember  
Tim Firestine, Chief Administrative Officer